# Newand Interesting Facts from Science and Li

# How Your VOICE, **WALK** and Gestures Tell WHAT You ARE

WHY is the devil portrayed as rightful setting amid the archives of clothed in red and enveloped in flame?

What is the "heat of passion," and the "fire of love"?

"Yow can we become "brokenhearted," "dumb with amazement," "choked with rage," "breathless with suspense," or "burn with shame"?

What is the devil portrayed as rightful setting amid the archives of science."

"Our human forms of expression," says Dr. Burrow, "are roundabout expedients, symbolic substitutions and evasions with which we seek to mitigate the poignancy of actuality, "By tracing back to the earliest sources, we find that the language what makes us give a "sigh of re-

ceitful one is "shamefaced."

Vhat makes us give a "sigh of re- of primitive man was mimetic. Man's earliest attempts toward communica-Why do we express a sense of tion or the establishment of associations consisted of movements of mitting away the head, making a wry face, or by thrusting out gesticulatory. The estiges of this the hands, with the palms turned pantominic speech of prehistoric man are directly traceable in many symbol for throwing off the burden wanter and appared all are descriptive because and appared all are descriptive because all are himself. As a man of which we have spoken? If we will appear in the part of the linguistic forms of present day of which we have spoken? If we will appear in the problem of the burden with the concept for which it stands by reason of that organic correlation of which we have spoken? If we will appear in the problem of the burden with the concept for which it stands by reason of that organic correlation of which we have spoken? If we will appear in the problem of the burden with the concept for which it stands by reason of that organic correlation of which we have spoken? If we will appear in the problem of the burden with the concept for which it stands by reason of that organic correlation of which we have spoken? If we will appear in the problem in the part of the linguistic forms of present day of responsibility. Primitive man care that it is prehistoric, inherent, and the problem in the part of the linguistic forms of present day of responsibility. Primitive man care that it is prehistoric, inherent, and the part of the linguistic forms of present day of responsibility. Primitive man care the problem in the part of the linguistic forms of present day of responsibility. Primitive man care the problem in the part of the linguistic forms of present day of responsibility. Primitive man care the problem in the problem in the part of the problem in the part of the problem in we express a sense of tion or the establishment of associa-

literary sense, but lifted out of its the shoulders. And why? Because haphazard or arbitrary. We see that is 'crooked.' poetic context and transposed to its this dramatic movement is a mimetic a dynamic element underlies its



Disgust Is Shown by Turning

what is more suggestive of the "Ishould-worry" attitude than a shrug
stage. Vocal mimicry is represented
today by such words that imitate the
shoulders?

Why can an innocent man look you
straight in the eyes, and why does a
guilty person hang his head?

We say that an honest man is "upright," or "straight"; that a dishonest person is "crocked," and a de-"This primitive language of the our forebears. And man today ex- sions. The honest man looks you



ceitful one is "shamefaced."

Why?

This primitive language of the orace is equally preserved in the gesting answers these and other questions of a similar nature by showing how in which we find the origin of the data expressions indicative of the demands of the instinctive life, and takes cognizance at last of such very mands of the instinctive life, and man heart, not in any rhapsodic man heart, not in any rhapsodic literary sense, but lifted out of its the shoulders. And why? Because

"This primitive language of the orace for the gesting of the gesting of the grace is equally preserved in the gesting of the call with the early dama.

"We make a wry face, turn away the head, or thrust out the hands, and an unreadily controlled in the early of the more obviously biologic with the early of the more obviously biologic win



thinketh, so is he.' As Emerson says, V. hat you are speaks so loudly to me that I cannot hear what you say."

thought and outer action is so in- language itself shows this principle folk-lore, religion, herent and inseparable that any at. of disguise to be its very backbone. mythology, we find that redness and tempt to evade this inevitable law in our customary verbal usage there warmth are the universal symbols of self-expression causes a discreparable instances of this passion. For example, we speak of ancy in our organic reactions, which device. The more nearly we approach the 'heat of passion,' and the 'fire of straightway gives the lie to our con. forbidden territory—the territory on love. You remember the symbol of

you that he is honest and diligent, stronger is the tendency to conceal devil himself, the mythological symand at the same time lowers his eyes our meaning through recourse to rebol under which bestial appetites and holds his thumb close against motely associated symbols of exame personified, is invariably pictured the palm of his hand, do not believe pression.

of his unconscious utterances. "Bulwer Lytton was psychologist enough to use for a dramatic purpose this unconscious evidence of an inner organic disharmony. You recall in his play, 'Richelieu,' how he makes the old cardinal save himself from death at the hands of assassins by OMEN live longer than men, years of age was 44 years for males which the span of life is materially that this disparity is due to certain detecting at the critical moment just dorsed the waterglass method of preserving they should be condicted as a coording to Dr. Albert H. and 46 for females."

"If there is any doubt about the span of life is materially that this disparity is due to certain detecting at the critical moment just dorsed the waterglass method of preserving they should be condicted." relation to life insurance, is quoted as saying:

"We have shown," concludes Dr. certain drug habits answer every spending to which there were under 5 years of age 1000 females to 1076 males. This ratio in favor of the males steadily increases for each succeeding five-year group with only succeeding five-y

The following words are exam of vocal mimicry by suggest

sound of th
gurgle
hum
jingle
murmur
rip
roar
rumble
rustle
sough
splash

Man Still Crouches in Fear as hand, of the more roundabout course, lous were it put forth in the form of look into the history of the social

which popular social sentiment has the 'Scarlet Letter,' or more closely 
"If anyone comes to you and tells imposed its moral embargo—the still, the 'scarlet woman,' and the

"To take a quite familiar example: flame."

more utterly dissimilar than a red light and the means of livelihood adopted by certain members of the submerged tenth?' Even the suggestion is bold, flagrant and shocking. It blazons the unpleasant, ruthlessly dragging before us the existence of a condition in society on which a moral stigma has been placed. The moral repugnance here entailed is patent enough. We, therefore, use instead a symbol which in its remoteness is quite harmless.

"What could offer less outrage to our sensibilities than the concept 'red light'? What could be more free from any immoral connotation? And so, when the church, society or the press wishes to speak of evil resorts, it has recourse to this disguised and innocuous metaphor of the 'red light, and with due regard for the proprie-ties, it henceforth refers with an un-

e that I cannot hear what you say. language commonly current.

"This connection between inner "A study of the anatomy of the different spheres of symbolism, consciousness as expressed in the literature and as clothed in red and as enveloped in

## Why WOMEN Are Likely to LIVE LONGER Than MEN

two slight exceptions, up to 50 years, 65, and one-third the total deaths be-when it reaches a maximum in the tween the ages of 55 and 65 are due a ratio of 1000 females to 1183 males. vessels.
From this highwater mark in the preto ebb until at the age of 70 the ma-jority is reversed in the ratio of 1033 power they are inferior to men. We females to 1000 males, and at 100 should naturally expect the life en-

than females in our population; so sex."
that, other things being equal, male Dr. Burr says that this apparent centenarians should far outnumber strength of woman, which appears female centenarians. How shall we only during the later years of life,

the average duration of life after 10 tissues of the vascular system by

"But why should more women live ponderance of males the tide begins to old age than men? In average

account for the fact that more fe- is due simply to the fact that she males than males reach 70 years and does not polson herself as man does. that they make the century-run in an Man, according to Dr. Burr, is doomed accelerated ratio?

Man, according to Dr. Burr, is doomed to a drug-slavery that spells promote the control of occlerated ratio? to a drug-slavery that spells prema-"The experience of life insurance ture scalinty and race-degeneracy.

companies confirms the census re- Dr. Burr says that if it is true that ports as to the superior vitality of certain poisons have a special afwomen. Statistics given in a recent finity for certain organs that induce number of an insurance journal show deleterious changes in the cells and

according to Dr. Albert H. and 46 for females."

Shortened, a knowledge of this fact extrinsic poisons capable of inducing such a discrepancy on the part of his preserving, they should be candled.

Burr of Chicago, who refers

Dr. de Haviland Hall, an English should be widely disseminated among cardio-vascular pre-senility, to which trusted servant-in-waiting. As the substitute of authority on arterio-selectes and its to vital statistics compiled from "eports of the 1910 federal census, according to which there were under

Though the average duration of

Burr. "first that the female is observed are a continuous form the part of the preserving eggs. When the medium to servant in-waiting. As the preserving eggs. When the medium to servant in-waiting. As the propose is just right, it is said that excellent is a pasteboard box with a hole in
it, and a lamp or electric bulb insid.

Though the average duration of Burr, "first that the female though electric bulb insid."

Though the average duration of Burr, "first that the female though electric bulb insid."

### age-group 50 to 54 inclusive, showing to diseases of the hear and blood- WORLD Annually Encircled With CRADLES very act betrayed himself.

THITY-SIX MILLION babies about one-sixth of the infantile host ing organic implications. are born into the world each would have gone by, and this all phrases as 'broken-hearted,' 'dumb new-laid ones at the end of six the total the carried, and then preaking new-laid ones at the end of six the total three the carried, and then preaking new-laid ones at the end of six the total three thr remains to 1000 males, and at 100 should naturally expect the life enyears there were 1575 females to durance of the male to surpass or at

a statistician. "Place each baby in be carried when the tramp began, sigh of relief," are familiar instances

1000 males, in the state of Massa- least to equal that of the female, a cradle ranged in a line, and the would be able to walk when a mere of these organic expressions.

The transport of the state of these organic expressions. the state of Massa- least to equal that of the female, a cradle ranged in a line, and the would be able to walk when a mere of these organic expressions.

"It takes courage to call things by their true name. The man who, scorning of the bables be carried in their true name. The man who, scorning of the bables be carried in their true name. The man who, scorning of the bables be carried in their true name. The man who, scorning of the bables be carried in their true name. The man who, scorning of the bables be carried in their true name. The man who, scorning of the bables be carried in their true name. The man who, scorning of the bables are of these organic expressions.

"It takes courage to call things by the latter part of March to about the lift is not, the sound will be deadment. The man who, scorning of the bables are of these organic expressions.

"It takes courage to call things by the latter part of March to about the lift is not, the sound will be deadment. The man who, scorning of the bables are of the latter part of March to about the lift is not, the sound will be deadment. The man who, scorning of the series of the latter part of March to about the latter part of March to about the lift is not, the sound will be deadment. The man who, scorning of the series of the latter part of March to about the latter part of Mar

general popularity, on the other best, while the cool weather makes ural protective coating."

### Preserving EGGS in WATER GLASS EDERAL and state departments it easier for the farmer to keep then

of agriculture, after an extensive in good condition,

"If there is any doubt about the

boring in his bosom a treacherous de- closing the pores of the shell and The larger the air cell at the top, the sign. In his effort to conceal it he thus protecting the contents from coverdid his deference, and in this very act betrayed himself.

"Language teems with usages bear, "Eggs preserved in this way tion. Eggs preserved in this way the sealing a few eggs bear, are said to have been mistaken for fore the candle and then breakles.

"The time to preserve eggs is from

is just right, it is said that exercise to a pasteodard box with a no.e in results can be obtained in this way.

Waterglass, which is a mixture of potassium silicate and sodified, and if the air space at the top

Such are said to have been mistaken for fore the candle, and then breaking two by two. If the shell is intact It will give out a clear, ringing sound

# ELECTRO-MAGNET as FIRST AID to Shrapnel-Shattered SOLDIERS N enormously higher proportion of wounds in the present European war have become infected than in any former contest infected than in any former contest. N enormously higher proportion the result that gaping wounds are of artillery attained such tactical because the larger shot of the former in the war had acquired a bad reputation of the result that gaping wounds are of artillery attained such tactical produces a larger area of injury and die. For that reason army surgeons for that reason the wounds caused more extensive contusions. Pay sixths of all the severe infections profused the steel splinters lie very near the ble at the moment to give definite. The case is still more difficult with of the fractures produced by greater to the former in the war had acquired a bad reputation. According to Garre, five-street than in any former contest.

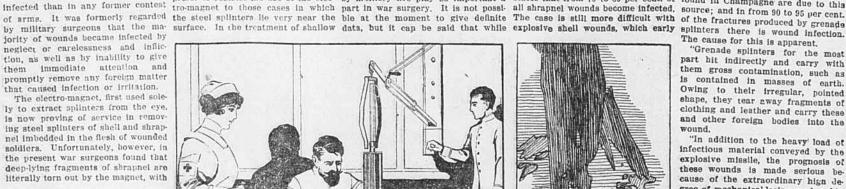
neglect or carelessness and infliction, as well as by inability to give When BLACKSMITHS Were Dentists them immediate attention and promptly remove any foreign matter

that caused infection or irritation.

The electro-magnet, first used soleprogress, the blacksmith combined his labors at the force with operations with the forceps.

Then again, recently a man living is now proving of service in removing observations with the forceps.

The again, recently a man living is now proving of service in removing steel splinters of shell and shraphally in a country district visiting a 'den-tal parior' in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior' in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not imbedded in the fiesh of wounded to the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a neighboring town was not improve the statistical parior in a literally torn out by the magnet, with



Drawn from a Roentgen Photograph of Bones of a Soldier's Arm Shattered by a Piece of Shrapnel.

The cause for this is apparent.

"Grenade splinters for the most part hit indirectly and carry with them gross contamination, such as is contained in masses of earth.
Owing to their irregular, pointed shape, they tear away fragments of clothing and leather and carry these and other foreign bodies into the

'In addition to the heavy load of infectious material conveyed by the explosive missile, the prognosis of these wounds is made serious because of the extraordinary high degree of mechanical lesion produced in the surrounding tissues and the creation of conditions which are morphologically unfavorable to healing. We get deep, radiating, cavern-like wounds, in which decomposing fragments of bone splinter, muscle and other tissues are to be found, Along the edges of the extensive contusions we find severely injured, lifeless tissue. These wounds have the appearance, often, of having been

For safety and endurance in travelling in desert regions the camel has been found unequalled by any other animal. Its foot is a soft cushion, peculiarly well adapted to the stones and gravel over which it is constantly walking. During a single journey through the Sahara horses have worn out three sets of shoes, while the feet of the camel, travelling over the same course, were not even sore

### forge and submit to a rough-and- was a former insurance agent who the present war surgeons found that ready operation with the most suit- had canvassed him a few weeks be- deep-lying fragments of shrapnel are

able blacksmith's tools available, fore."

"Years ago the blacksmith's forge was the recognized dentistry, and even now one often meets aged folk Where GIRLS Become BRIDES at TWELVE call having teeth extracted in the

"The law permits anybody to prac-river and an offering to the particute forward and make offers for her hand tise dentistry in England, practically lar delties that she and her tribe wor-and heart, and the match is arranged the only limitation put upon them ship is made with all due solemnity on a strictly cash basis. The prelimi-being that they shall not call them beside the stream. The dusky maid naries concluded, the marriage takes wounds, however, the electro-magnet artillery wounds during former wars selves dentists.

who have failed in other directions and gold is placed round ner wrist, orde and her family all come. On the reason for such widespread infection lies in the great increase in

DEFOREdentistry had made much clerk starting business as an unquali-

His "patients" would go to the surprised to find that the 'dentist' soldiers. Unfortunately, however, in

in out-of-the-way places who can re-

"The idea may seem very quaint sionary. When a girl has reached today, although many people daily her 11th or 12th year she is considered and she is perfumed with submit themselves to tooth-pullers are quite old enough to enter into seemts.

All this done, if she is lucky a numwho have even fewer qualifications the bonds of matrimony. She is All this done, if she is lucky a num-than the blacksmith had. taken to the bank of the nearest ber of eligible young bachelors come ives dentists. is then publicly washed in the river; place. The bridegroom gives a feast, is playing an important part.

The result is that many people a bracelet of black and white beads to which he and his family and the Military surgeons have four

will be your mile

call having teeth extracted in the village smithy," says an English and especially those on the coast, retain many quaint customs, according to an American mission of the in a procession through the town, to show all beholders of her beauty that she has reached the marrying age. Her hair is fantastically plaited, the

The Electro-Magnet Is Being Used with Success by War Surgeons to Extract Splinters of Steel Which Are Near the Surface of the Body.

averaged from 10 to 25 per cent. of Military surgeons have found that all injuries, according to Friedrich, who have failed in other directions and gold is placed round her wrist, bride and her family all come. On the reason for such widespread infecting some of the battles along the east-

